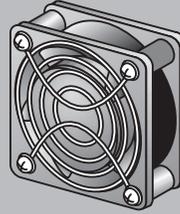**hp**
StorageWorks

Fibre Channel thermal upgrade Kit

📝 **Note:** The Fibre Channel Thermal Upgrade Kit assures proper cooling of the HP StorageWorks Network Storage Router by using enhanced airflow through the interior of the library. Only tape libraries that are not dark gray require the installation of the Fibre Channel Thermal Upgrade Kit.

📝 **Note:** Depending on the model, your library may look different from the ones illustrated in this procedure.
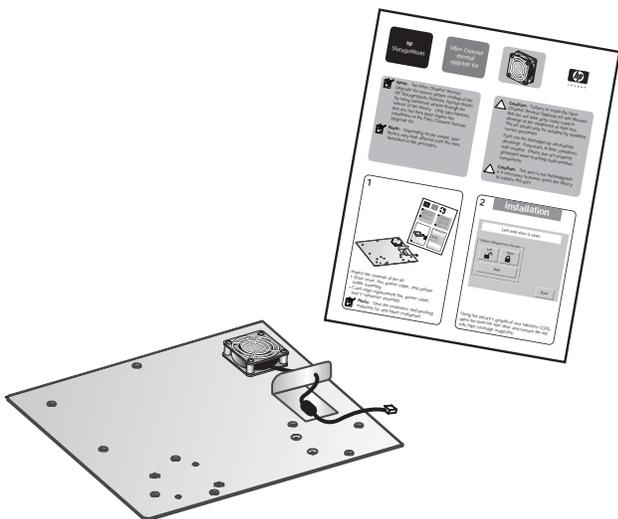
⚠ **Caution:** Failure to install the Fibre Channel Thermal Upgrade Kit into libraries that are not dark gray could result in damage to the equipment or data loss. This kit should only be installed by qualified service personnel.

Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.

⚠ **Caution:** This part is not hot-pluggable. It is necessary to power down the library to replace this part.

1

Inspect the contents of the kit.
- Drive cover, fan, power cable, and airflow baffle assembly
- Card cage replacement fan, power cable, and Y connector assembly

📝 **Note:** Save the containers and packing materials for any future reshipment.

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2 **installation**

Left-side door is open.
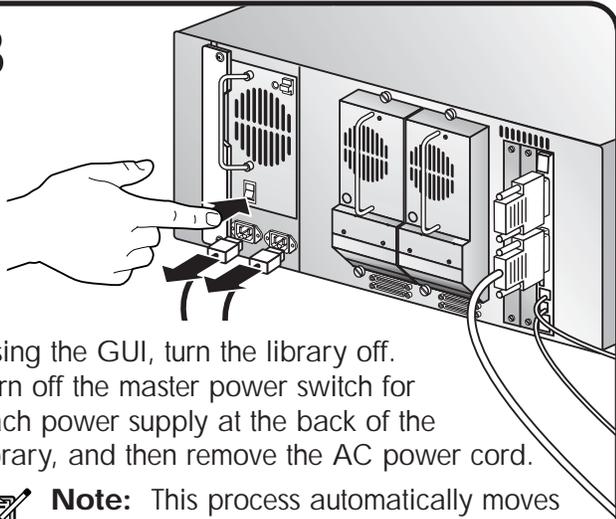
Select a Magazine to Access

Left   Right

Both

Back

Using the library's graphical user interface (GUI), open the front left side door and remove the left side tape cartridge magazine.
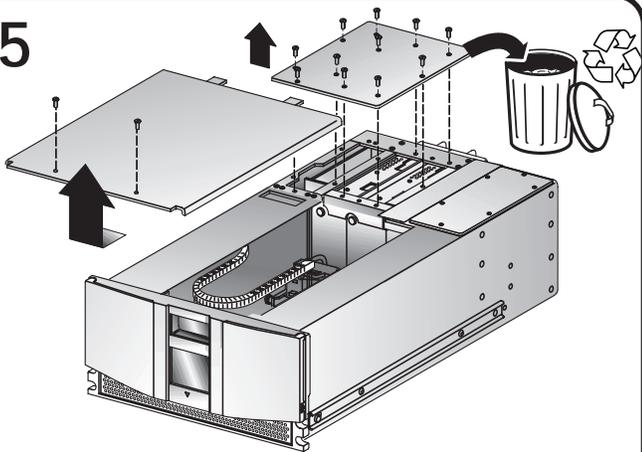
3

Using the GUI, turn the library off.
Turn off the master power switch for
each power supply at the back of the
library, and then remove the AC power cord.

Note: This process automatically moves
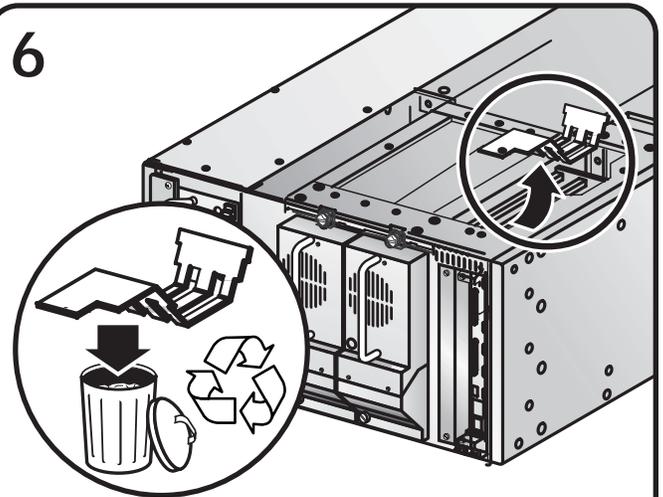the robot to the parked position.

4

For rack mounted libraries, remove the library
from the rack. For table top libraries, remove
the outer cover. See the *HP StorageWorks
MSL5000 and 6000 Series Tape Library User
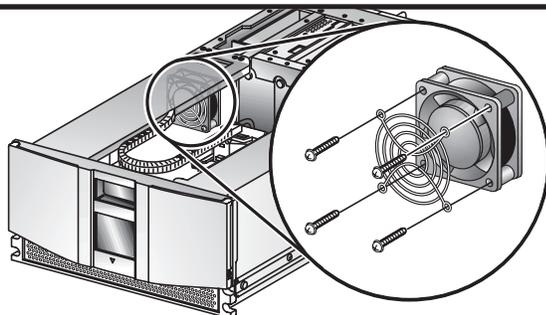Guide* detailed instructions.

5

Remove the front cover and set aside.
Remove the right rear cover and discard, but
keep the screws.
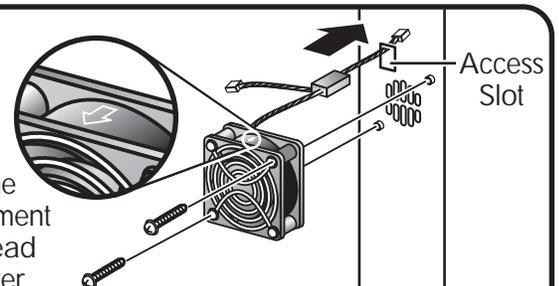
6

Remove the cooling baffle plate and discard.

7

Disconnect the card cage cooling fan cable
from the card cage backplane (J11) and
remove the fan and finger guard from the
chassis. Access to the fan mounting fasteners
is through the area opened by removal of the
left side magazine.

Note: This fan will not be reused.
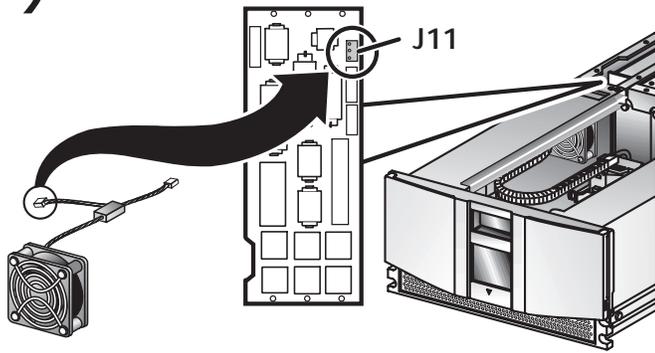
8

Access
Slot

Using the
replacement
fan, thread
the power
cable with the Y connector through the access slot
at the top of the chassis toward the backplane.

Caution: Verify that the arrow at the top of
the fan points toward the front of the library.
This directs the airflow away from the card
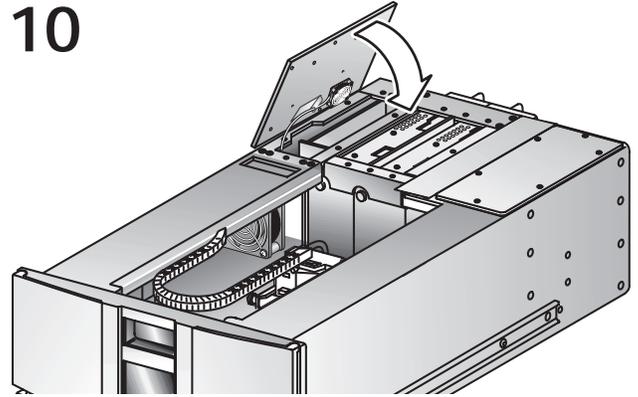cage and toward the front of the library.

Install the replacement card cage cooling fan and
finger guard with two screws.

9

J11

Connect the card cage replacement fan 3-pin connector to the card cage backplane at the J11 location.
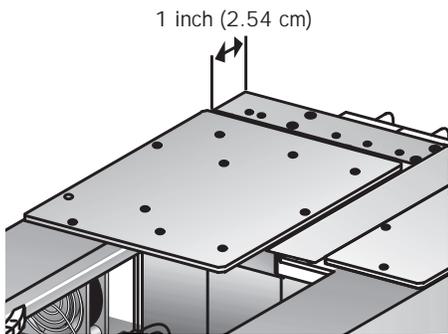
10

Position the outside edge of the thermal upgrade kit cover as shown and lower it towards the unit. Connect the card cage fan's other cable to the fan on the thermal upgrade kit cover.
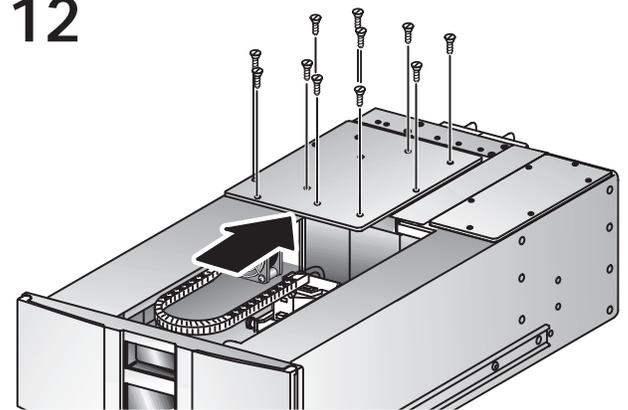
11

1 inch (2.54 cm)

Make sure that the fan power cables do not bind between the cover and the top of the library chassis.
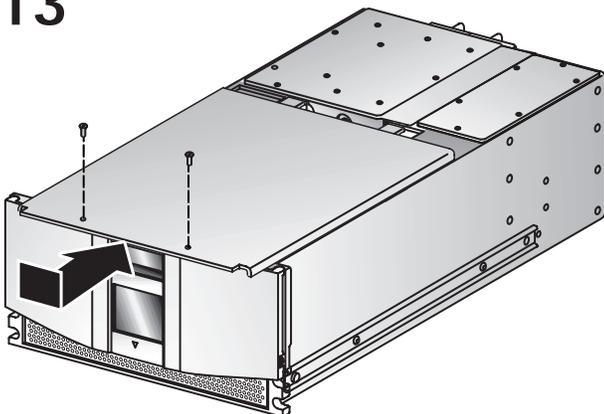
Note: As the cover is lowered, offset the rear edge of the cover approximately 1 inch in front of the rear edge of the library. This enables you to slide the cooling fan/baffle under the outer lip of the library.

12

When the cover lies flat on top of the unit, slide it back to align the mounting holes. Replace the 11 screws to secure the new right rear cover.

13

Replace the 2 screws to replace the top cover.

14

For rack mounted libraries, reinstall the library into the rack. For table top libraries, replace the outer cover. See the *HP StorageWorks MSL5000 and 6000 Series Tape Library User Guide* detailed instructions.

Replace the left side tape cartridge magazine and close the door. Proceed to the HP StorageWorks Network Storage Router kit installation instructions.

Getting Help

- HP Product Information Site:
  http://www.hp.com/products/tapestorage

- HP Technical Support and Phone Numbers:
  http://www.hp.com/support

- HP StorageWorks Library and Tape Tools
  (L&TT) diagnostic software:
  http://www.hp.com/support/tapetools

  Note: Use L&TT to verify installations
  and to ensure your library has the latest
  firmware.

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